

INTERMOUNTAIN POWER PROJECT
MODIFIED, BACK PLATE
Segmented

DESIGN

Drawing Segmented BP

- o FOUR 90° SEGMENTED PANELS.
- o SLIP-FIT TO THE INNER SLEEVE AND OUTER REGISTER ASSEMBLY.
Dimension radial space _____⁸
- o TANGENTIAL 3/4 INCH GAP BETWEEN PANELS.
6/10" growth
- o OVERLAP PLATES BETWEEN PANELS. (*slip fit*)
- o RADIAL CENTERING BARS. ? *should bolt axial support to prevent cocking
type selected to existing axial support bars (existing)*

ADVANTAGES

- o ELIMINATION OF PLATE CONING/WARPING.
- o THE GAPS ALLOW FOR 0.6 INCH THERMAL GROWTH AT THE INNER RADIUS.
- o OVERLAP PLATES PREVENT AIR-FLOW THROUGH GAPS.
- o RADIAL BARS TO CENTER PLATE DURING INSTALLATION AND TO PREVENT BINDING OF THE PLATE DURING THERMAL GROWTH.

maintain 1/2" gap

axial bar

IPPMBP

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